

Title (en)  
Hologram device and method for producing the same

Title (de)  
Hologramm und Verfahren zu dessen Herstellung

Title (fr)  
Hologramme et sa méthode de fabrication

Publication  
**EP 0849649 A3 19990512 (EN)**

Application  
**EP 97122432 A 19971218**

Priority  
• JP 34166196 A 19961220  
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Abstract (en)  
[origin: EP0849649A2] A hologram of an increased size using a single color laser, capable of executing a full color regeneration in a desired view angle and a method for producing the hologram. A plurality of photo-sensitive members are independently exposed to obtain respective holograms, which are connected by using an adhesive layer 80 constructing a connecting means, in order to obtain an integrated hologram expanded in two-dimensional direction. The holograms are obtained by an interference of a reference light 22 and an object light passed through a light diffusing body 24 in order to cause the light diffusing body 24 to be recorded on the photo-sensitive member. The size of the light diffusing body 24 is such that the spectral characteristic of the diffused light from the hologram can attain a desired efficiency at least over the entire wavelength range of the visible light. <IMAGE>

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**G03H 1/26**; **G03H 1/02**

IPC 8 full level  
**G02B 5/32** (2006.01); **G03H 1/02** (2006.01); **G03H 1/26** (2006.01)

CPC (source: EP KR US)  
**G02B 5/0252** (2013.01 - EP US); **G02B 5/32** (2013.01 - EP US); **G03H 1/0486** (2013.01 - KR); **G03H 1/26** (2013.01 - EP KR US); **G02B 5/0252** (2013.01 - KR); **G02B 5/32** (2013.01 - KR); **G03H 1/0486** (2013.01 - EP US); **G03H 2001/0473** (2013.01 - EP KR US); **G03H 2001/2236** (2013.01 - EP KR US); **G03H 2001/306** (2013.01 - EP US); **G03H 2210/20** (2013.01 - EP US); **G03H 2223/14** (2013.01 - EP US); **G03H 2250/12** (2013.01 - EP KR US); **G03H 2250/32** (2013.01 - EP US); **G03H 2250/39** (2013.01 - EP US)

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• [XA] PATENT ABSTRACTS OF JAPAN vol. 096, no. 012 26 December 1996 (1996-12-26)

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